

CASE STUDY

Gatorade Bottling Plant Dallas, Texas



60 million

GALLONS OF
WATER SAVED



\$400,000

SAVED



World-Class

SCALE, CORROSION,
& BACTERIA REDUCTION

"Capture H2O has been our exclusive water and chemical treatment provider for the past 10 years. They bring technical excellence and business acumen, combined with a genuine concern for the best interest of each client. These are the core reasons ECM will continue to utilize Capture H2O as our consultant of choice for water conservation."

Doug d'Heilly
President
ECM Holdings Group for PepsiCo



CAPTURE
H₂O

How we did it.

Overview

The bottling plant has 11 cooling towers which are an integral part of the cooling process for both equipment and comfort cooling.

Prior to Capture H2O, the plant utilized a traditional chemical program to treat the cooling tower water. This resulted in wasting millions of gallons of water and poor protection of the cooling towers themselves, with scale and corrosion of the towers being an ongoing issue.

Our Solution

In 2018, Capture H2O installed the High Cycle program. This program couples patented technology with improved processes, resulting in significant savings of water and expenses. Over the course of 2020, the plant owner realized the following benefits:

1. Installing the patented, high efficiency softeners on the makeup water line allowed the plant to raise the cycles of concentration, which saved the site an estimated 38 million gallons of water and \$229,000 in 2020.
2. The new program allowed the plant to utilize an alternative, less expensive water source. The wastewater produced from the reverse osmosis process used to purify the product water now became the makeup water source. In 2020, this saved an estimated 22 million gallons of water and \$132,000.
3. Sending wastewater down the drain results in sewer charge expenses from the local government. With the wastewater being redirected back into the cooling system, a large percentage of the wastewater is evaporated, avoiding this additional sewer charge. In 2020, this saved the plant an estimated \$39,000.
4. The new program coupled with Capture H2O's extremely high level of service have significantly reduced the amount of scale, corrosion and bacteria in the plant's cooling towers and ancillary cooling equipment. This will result in lower maintenance and equipment replacement costs.

Summary

In total, Capture H2O was able to save this plant an estimated 60 million gallons of water (165,000 gallons a day) and over \$400,000 in 2020. As we continue to work with the innovative team at this plant, additional savings of water and money will be achieved through raising the average cycles of concentration and evaporating more wastewater.

Call us today to see how we can help you *use less blue to save more green!*

866-LESS-H2O (866-537-7426)
captureh2o.com

